Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **1st & final bill** Date.....20.....

Division: Yelahanka Projects. Sub-Division: Yelahanka Projects.

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No.....

Name of Work: Providing of Ladies Toilet in Govt School in Doddabommasandra in Ward No.10

Job Code No: 010-21-000001 **Est. cost: 10.00 lakhs**

Name of Contractor and Full Address : M.C. Adarsh, Bangalore.

Work order No: EE(Project)/Ynk Zone/WO/137/2020-21, **Dated : 13-11-2020**

Certified that the measurements were taken by me on 29/06/22 and recorded in pages 439343 - 439382 of measurement Book No 24/19-20 and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 29/06/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Sub-Division Officer

If Memorandum of Payment

1) Total value of work done or supplies made as per account within		
2) Deduct amount to be held in reserve being.....percent Rs.....		
3) Deduct amount to be held in Balance		
4) Deduct Payment		
a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated.....S.D No.....		
Amount adjusted towards cash advance recovery of		
b) Payments cost store or other materials supplied.		
Now made recovery of amount creditable to this/other work		
Amount paid on this bill Cheque/Cash		
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments		
7) Net amount due to or from contractor	45610	00
Unadjusted items		
8) Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied	860390	00

Contractor's Signature

Received Rs.....(in words)

By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1

2

Dated.....Signature of Contractor

(For use in the Office)

Head of Account.....

Audited & admitted for Rs. 906000

860390-00

Paid by me by cheque No.....Dated.....by Cheque

Cash Rs.....Dated.....and Rs. 45610-00 by Adjustment

Initials of Officer Making Payment

Acct. Clerk Project Division

Asst. Supdt. Project Division B.B.M.P.

Asst. Engineer Project Division B.B.M.P

Executive Engineer

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Name of Work: Providing of Ladies Toilet in Govt School in Doddabommasandra in Ward No.10

ABSTRACT

Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	KSRB 2 - 1.1: Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeeding 50 m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.specification No.KBS 2.1(a) / 2.3.1 (PWD, S.R. 2018-19)(Page No. 5, Item No.2.1)	Cum	7.78	282.34	2196.61			7.78	282.34	2195.48	7.78	2195.48
2	KSRB 2-2.2: Earthwork excavation by manual means for foundation of buildings,water supply,sanitary lines and electrical conduits either in pis or in trenches1.5m and above in width,in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches ,stacking the excavated soil clear from the edges of excavation with lead upto 50m after breaking of clods complete as per specifications. specification No.KBS2.1(b) /2.3.5 (PWD, S.R. 2018-19)(Page No. 5, Item No.2.4)	Cum	31.67	509.12	16123.83			24.39	509.12	12417.44	24.39	12417.44
3	KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 (PWD, S.R. 2018-19)(Page No. 5, Item No.3.2)	Sqm	25.92	120.19	3115.32			25.92	120.19	3115.32	25.92	3115.32
4	KSRB4-1.3:- Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57 cum machine mixed concrete laid layers not exceeding 15cms thick well compacted in foundation and plinth including cost of all materials, labour. HOM of mahinery, curing complete as per specifications . specification no KBS 4.1,4.2 (PWD, S.R. 2018-19)(Page No. 12, Item No.4.3)	Cum	9.41	5785.12	54437.98			8.40	5785.12	48581.99	8.40	48581.99
5	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth, compacting each deposited layers by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2018-19)(Page No. 6, item No. 2.10)	Cum	43.45	227.91	9902.69			9.09	227.91	2072.73	9.09	2072.73
6	KSRB5.2.2: Providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortor 1:8,stone hammer dressed in courses less than 20 cms high.bond stones at 2 m apart in each course, including cost of all materials ,labour, curing complete as per specification. No. KBS 5.1.13 (PWD, S.R. 2018-19)(Page No. 23, item No. 5.5)	Cum	26.26	4577.52	120205.68			26.13	4577.52	119607.16	26.13	119607.16

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Sl No	Description of Work	Unit	As per Sheaule -B			Measurement		Present Measurement			Up to date	
7	KSRB 4.2.7 :Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.70cum and fine aggregates @ 0.47cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in Ground Floor Level for Roof Slabs, Staircase, Lintels and Beams, retaining walls, return walls, Walls (any thickness) including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses, Parapets, Coping, bed blocks, anchor blocks, Plain Window Cills, Fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (PWD, S.R. 2018-19)(Page No. 13, item No. 4.12)	Cum	7.46	6854.38	51133.67			5.03	6854.38	34498.95	5.03	34498.95
8	KSRB 4-6.2: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200mm including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (PWD, S.R. 2018-19)(Page No. 15, item No. 4.29.2)	Sqm	30.26	453.56	13724.73			29.35	453.56	13310.85	29.35	13310.85
9	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20 kgs, with 12mm and down size graded granite metal coarse aggregates @ 0.05865 cum and line agregtes @ 0.0391 cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing complete but cxcluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, (Sl. No. 4.20, Page No.14), (SR 2018-19),	Cum	10.80	562.41	6074.03			10.80	562.41	6074.03	10.80	6074.03
10	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2, (Sl. No. 4.37, Page No.16).	Sqm	10.80	366.25	3955.50			10.80	366.25	3955.50	10.80	3955.50
11	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD, S.R. 2018-19)(Page No. 15, item No. 4.34)	Sqm	24.24	336.77	8163.30			7.78	336.77	2620.07	7.78	2620.07
12	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 -do- TMT bars Fe 500(PWD, S.R. 2018-19)(Page No. 1, item No. 4.46.2)	MT	0.81	73658.76	59663.60			0.81	73658.76	59663.60	0.81	59663.60
13	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/cum having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding , curing , hire charges of machineries etc., complete as per specfications . KBS No.5.4 with solid concrete blocks of size 40x20x20cm (PWD, S.R. 2018-19)(Page No. 24, item No. 5.26.1)	Sqm	76.38	1090.80	83315.30			51.81	1090.80	56514.35	51.81	56514.35

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
14	KSRB 5-14.1 : Providing and constructing non load beraing wall with solid concrete blocks of size 400x100x200mm having block density not less than 1800 kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to I.S 2185 (Part I) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing hire charges of machineries etc. complete as per specifications. (S.No. 5.28, Page No. 25), (SR 2018-19)	Sqm	21.62	984.47	21284.24			18.71	984.47	18414.51	18.71	18414.51
15	KSRB 14.14-5 : Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS, (Ceramic anti skid Tiles of size 400 x 400mm on a bed of 20 mm thick), (Sl. No 14.36.3, Page No. 106, (SR 2018-19),	Sqm	21.20	1528.49	32403.99			19.19	1528.49	29331.72	19.19	29331.72
16	KSRB 14-17.1: Providing skirting, dado, rises of steps with White glazed tiles 20x20cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. specification No. KBS 14.16,14.17(PWD, S.R. 2018-19)(Page No. 106, item No.14.40)	Sqm	80.96	1324.39	107222.61			74.22	1324.39	98296.23	74.22	98296.23
17	Providing and laying plat form using prepolished, water cut / gang saw 40mm thick telephonic Black Granite. laid on existing vertical -supports and fixing in CM 1:3 proportion. Including cutting to required shape, pattern with paper joints, including full rounding for nosing, finished with cement mortar, pointed with colour pigments to match the colour of slab making through jointing with sealant, making holes 25mm x 12mm grooves in joints including curing. (P.No. 108, I.No. 14.52 of PWD SR 2018-19)	Sqm	2.43	3996.97	9712.64			2.43	3996.97	9712.64	2.43	9712.64
18	KSRB9.4.1-Providing Math/Nandi wood frames of doors ,windows, clerestory windows, ventilatorsand other frames,wroughtframed or assembled including making plaster grooves(excluding cost of cement concrete and side clamps),but including cost of materials,labour ,HOM of machineries, complete as per specifications. Specification No.KBS9.33 (PWD, S.R. 2018-19)(Page No. 51, item No. 9.12)	Cum	0.14	82996.36	11619.49			0.14	82996.36	11320.70	0.14	11320.70
19	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 , (Sl. No. 9.16, Page No. 52), (SR 2018-19),	Sqm	3.78	4735.13	17898.79			3.78	4735.13	17898.79	3.78	17898.79
20	Supply and fixing of door frame made of hollow extruded PVC Section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2corners shall be metric cut/ welded., (Sl No 9.88, Page No 54), (SR 2018-19),	Rmtr	42.00	283.47	11905.74			39.90	283.47	11310.45	39.90	11310.45
21	Providing fixtures with made brass /SS CP of appoved quality for Main doors, Internal and Toilet doors,), (Hinges 5" heavy duty,Door Lock, Tower Bolt 300mm long, Aluminum handles - 15cms,Locking Arrangements,40mm Screws"). (Material Components)Hinges 5" heavy duty	No	12.00	32.92	395.04			6.00	32.92	197.52	6.00	197.52
22	Door Lock	No	2.00	364.80	729.60			2.00	364.80	729.60	2.00	729.60
23	Tower Bolt 300mm long	No	4.00	140.06	560.24			4.00	140.06	560.24	4.00	560.24
24	Aluminum handles - 15cms	No	4.00	62.28	249.12			4.00	62.28	249.12	4.00	249.12
25	Locking Arrangements	No	2.00	578.34	1156.68			2.00	578.34	1156.68	2.00	1156.68
26	40mm Screws	No	360.00	2.67	961.20			300.00	2.67	801.00	300.00	801.00

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
27	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (Sl. No. 9.84, Page No 59), (SR 2018-19),	Sqm	11.03	530.66	5853.18			11.03	530.66	5850.53	11.03	5850.53
28	KSRB 15-3.9: Providing 18mm thick cement plaster in Single coats with cement mortar 1:6 to Brick Masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. External Plastering (PWD, S.R. 2018-19)(Page No. 114, item No. 15.17)	Sqm	56.70	277.80	15751.26			56.70	277.80	15751.26	56.70	15751.26
29	KSRB 15-3.3: Providing 12mm thick cement plaster in single coat with cement mortor 1:6, to brick masonry including rounding off corners wherver required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Including lime rendering) (PWD, S.R. 2018-19)(Page No. 113, item No. 15.11)	Sqm	40.58	218.84	8880.53			13.87 13.84	218.84	3034.76 3028.00	13.87	3034.76
30	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications(PWD, S.R. 2018-19)(Page No. 112, item No. 15.13)	Sqm	30.26	250.59	7582.85			19.19	250.59	4808.82	19.19	4808.82
31	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - a) 100% for fresh surface, b) Upto 10 % for repainting, (Sl. No. 15.106, Page No. 126), (SR 2018-19), (BASIC RATE-56.00)	Sqm	70.83	88.44	6264.21			20.71 33.03	88.44	1831.37 2924.00	20.71	1831.37
32	KSRB 15-15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specification - do with primer (PWD, S.R. 2018-19)(Page No. 117, item No. 15.51.2)	Sqm	70.83	102.05	7228.20			20.71 33.03	102.05	2113.20 3370.00	20.71	2113.20
33	KSRB15-16.2: Providing and finishing external walls with in two coats with water proof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortardrops and other foreign matter cost of material labour complete as per specifications with primer. (PWD, S.R. 2018-19)(Page No. 118, item No. 15.53.2)	Sqm	56.70	56.69	3214.32			56.70	56.69	3214.32	56.70	3214.32
34	KSRB 15-17.4 : Applying priming coat over new wood surface and/or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. (Sl. No. 15.58, Page No. 119), (SR 2018-19).	Sqm	3.78	68.03	257.15			3.78	68.03	257.15	3.78	257.15

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Sl No	Description of Work	Unit	As per Shedule -B			Measurement		Present Measurement			Up to date	
35	KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications. (Sl. No. 15.73, Page No. 121), (SR 2018-19),	Sqm	3.78	46.49	175.73			2.70	46.49	125.52	2.70	125.52
36	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications (Sl.No 15.74, Page No.121), (SR 2018-19)	Sqm	4.32	107.72	465.35			2.70	107.72	290.84	2.70	290.84
37	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS	Sqm	4.32	4791.83	20700.71			2.70	4791.83	12937.94	2.70	12937.94
38	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 32, I.No. 7.9 of PWD SR 2018-19)(Page No. 31, item No. 7.9)	Kgs	90.72	107.72	9772.36			56.70	107.72	6107.72	56.70	6107.72
39	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2018-19)	No	4.00	4789.56	19158.24			4.00	4789.56	19158.24	4.00	19158.24
40	KSRB 11-6: Providing & fixing white vitreous china clay , water closet European type (Pedestal type , S-Trap) with black solid plastic seat and lid . CP Brass hinges , rubber buffers, 10 litre white glazed / vitreous china clay low level flushing cistern (all are approved make) with fittings C.I. /M.S. Brackets , 40 mm diameter flush bend fittings and clamps over flow arrangement with specials and 25 mm mosquito proof coupling of approved design , painting of fittings and brackets ,cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. (PWD, S.R. 2018-19)(p.77, Item No.12.6)	No	3.00	5450.62	16351.86			2.00	5450.62	10901.24	2.00	10901.24

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
41	KSRB 11-11.3 : Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11(PWD, S.R. 2018-19)(p 80,, Item No.12.25)	No	2.00	4398.37	8796.74			2.00	4398.37	8796.74	2.00	8796.74
42	KSRB 11-7.3 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of three with 7.5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (PWD, S.R. 2018-19)(p 80,, Item No.12.9)	No	2.00	6592.45	13184.90			2.00	6592.45	13184.90	2.00	13184.90
43	ksrb13-6,1-2:Providing and fixing in position brass bib cock of approved quality 20 mm dia nominal bore including cost of materials, labour HOM of equipments with all leads complete with specifications Specification No.KBS 13.2.2./13.3 (PWD, S.R. 2018-19)(p 91,, Item No.13.24)	Each	10.00	196.16	1961.60			10.00	196.16	1961.60	10.00	1961.60
44	Providing and fixing to wall, ceiling and floor unplasticised PVC 6kgs/sqm working pressure with pipe fittings, walll clips etc. and making good the wall , ceiling and floor for sanitary pipe lines including cost of all materials, labour HOM of acquirements and testing complete as per specifications.(PWD, S.R. 2018-19)(p 88,, Item No.12.116) a) 75 mm dia	Rmtr	12.00	317.49	3809.88			12.00	317.49	3809.88	12.00	3809.88
45	b) 110 mm dia	Rmtr	6.00	492.11	2952.66			6.00	492.11	2952.66	6.00	2952.66
46	Providing and fixing rigid PVC bend of required degree (of approved make) for S.W.R. drainage pipes of approved including lubricating. a) 75 mm dia	Each	9.00	589.62	5306.58			7.00	589.62	4127.34	7.00	4127.34
47	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in CC 1:2:4 as per directions of 12.5cms x 7.5cms (Rate is inclusive of cost of materials and fixtures and conveyanceof materials to work spot). (PWD, S.R. 2018-19)(p 88,, Item No.12.113.2)	No	11.00	323.16	3554.76			11.00	323.16	3554.76	11.00	3554.76
48	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 73/ I.No.11.50.3 of PWD SR 2018-19)	No	3.00	6009.63	18028.89			3.00	6009.63	18028.89	3.00	18028.89
49	Providing and fixing CPVC pipes confirming to IS 15778 , having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mt spacing . This includes jointing of pipes and fittings with one stepCPVC Solvent cement and cost of cutting chases and making good the same including testing of joints complete (concealed work including cutting chasea and good the walls etc.) 32mm dia	Rmtr	6.00	424.08	2544.48			6.00	424.08	2544.48	6.00	2544.48

Original / Duplicate / Triplicate

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Sl No	Description of Work	Unit	As per Schedule -B			Previous Measurement			Present Measurement			Upto date	
50	25mm dia	Rmtr	12.00	332.23	3986.76				12.00	332.23	3986.76	12.00	3986.76
51	KSRB-13-6.2-4 Providing and fixing in position brass stop cock of approved quality 32mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.(PWD, S.R. 2018-19)(p 91,, Item No.13.29)	Each	11.00	157.61	1733.71				11.00	157.61	1733.71	11.00	1733.71
52	Providing and fixing in position brass gate valve with C.I. Wheel of approved quality (screed end) 5 mm nominal bore including cost of all materials , labour , HOM of equipments ith all lead , complete as per specifications(PWD, S.R. 2018-19)(p 91,, Item No. 13.35)	No	1.00	941.13	941.13				1.00	941.13	941.13	1.00	941.13
53	KSRB 2 - 2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification No.KBS 2.1(a)/2.3.5 (PWD, S.R. 2018-19)(p 5, Item No. 2.3)	Cum	5.40	339.03	1830.76				5.40	339.03	1830.76	5.40	1830.76
54	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints, including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 (PWD, S.R. 2018-19)(p 170,, Item No.11.2)	Rmtr	6.00	417.27	2503.62				6.00	417.27	2503.62	6.00	2503.62
55	Refilling available earth around the pipeline, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2018-19)(p 6,, Item No.2.11)	Cum	5.40	137.20	740.88				5.40	137.20	740.88	5.40	740.88
56	Providing stoneware gully trap of approved quality and make fixing inm-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all materials, fixtures and lead). (15cms x10cms) (PWD, S.R. 2018-19)(pg.no.88, item no.12.112.2)	No	2.00	317.49	634.98				2.00	317.49	634.98	2.00	634.98
57	KSRB 2 - 2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.specification No.KBS 2.1(a)/2.3.5 (PWD, S.R. 2018-19)(p 5, Item No. 2.3)	Cum	5.40	339.03	1830.76				5.40	339.03	1830.76	5.40	1830.76
58	KSRB - 13-3-6 Providing and fixing in trenches galvanised medium grade 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipments and testing complete as per specifications (From Sump to OHT)(PWD, S.R. 2018-19)(p 90,, Item 13.6)	Rmtr	6.00	580.55	3483.30				6.00	580.55	3483.30	6.00	3483.30
59	Refilling available earth around the pipeline, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto 1.5m including cost of all labour complete as per specifications.(PWD, S.R. 2018-19)(p 6,, Item No. 2.11)	Cum	5.40	137.20	740.88				5.40	137.20	740.88	5.40	740.88
60	KSRB - 13-7-1.3 Providing and fixing 50mm dia nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials,labour charges,HOM of equipments and testing complete as per specifications (PWD, S.R. 2018-19)(p 93,, Item No.13.55)	No	2.00	1508.08	3016.16				2.00	1508.08	3016.16	2.00	3016.16
61	KSRB - 13-11.1 Providing and placing on terrace , polyethylene water storage tanks (1000 ltr capacity) (PWD, S.R. 2018-19)(p 94,, Item No. 13.78)	No	1.00	7742.21	7742.21				1.00	7742.21	7742.21	1.00	7742.21

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
62	Supplying, installing, testing and commissioning of Submersible Pump (2 HP/1.5KW 25 STAGE) of adequate HP capable of giving required discharge at suitable head to work on 1 phase 50Hz 400/400 V with necessary unions, flanges, foundations bolts RCC footing etc., complete with25meter head with 1.0lps conditions. (1no. working and 1no. Standby). Make=Kirlosker (Basicv rate 19000 Taxes 5.50% = 20000) Sump to Over Head tank & Bio Medical Chamber TO IC (MATERIAL COMPONENTS XXXXIV SL NO-15 PWD NORT ZONE 2018-19	Sqm	1.00	19970.15	19970.15			1.00	19970.15	19970.15	1.00	19970.15
63	Providing and fixing MS door for sump including cost of labour, materials and one coat of primer paint and two coats of enamel painting etc, as directed by the engineer in charge of work (PWD, S.R. 2018-19)	Sqm	0.36	3968.62	1428.70			0.36	3968.62	1428.70	0.36	1428.70
64	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. a) 19/20mm dia 2mm thick	mtr	15.00	52.50	787.50			15.00	52.50	787.50	15.00	787.50
65	b) 25mm dia 2mm thick	mtr	15.00	68.24	1023.60			15.00	68.24	1023.60	15.00	1023.60
66	Concealed Conduit System: Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick confirmingto IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary. a) 19/20mm dia 2mm thick	mtr	15.00	42.00	630.00			15.00	42.00	630.00	15.00	630.00
67	b) 25mm dia 2mm thick	mtr	15.00	55.64	834.60			15.00	55.64	834.60	15.00	834.60
68	Groove Cutting : Supplying heavy guage PVC conduit pipe ...mm dia ...mm thick with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, by groove cutting in wall and fixing by using U or J hooks and cement plastering up to the wall surface and run with 18SWG GI fish wire through out the conduit where ever necessary.a) 19/20mm dia 2mm thick	mtr	15.00	58.79	881.85			15.00	58.79	881.85	15.00	881.85
69	b) 25mm dia 2mm thick	mtr	15.00	60.89	913.35			15.00	60.89	913.35	15.00	913.35
70	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall a) 1-3Way	Each	8.00	95.54	764.32			8.00	95.54	764.32	8.00	764.32
71	b) 4-5Way	Each	5.00	102.89	514.45			5.00	102.89	514.45	5.00	514.45
72	c) 6Way	Each	2.00	127.04	254.08			2.00	127.04	254.08	2.00	254.08
73	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall a) 1-3Way	Each	8.00	99.74	797.92			8.00	99.74	797.92	8.00	797.92
74	b) 4-5Way	Each	5.00	110.24	551.20			5.00	110.24	551.20	5.00	551.20
75	c) 6Way	Each	2.00	131.24	262.48			2.00	131.24	262.48	2.00	262.48
76	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293. a) 6Amps one way	Each	6.00	73.49	440.94			6.00	73.49	440.94	6.00	440.94
77	b) 6Amps 3way socket	Each	2.00	110.24	220.48			2.00	110.24	220.48	2.00	220.48

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Sl No	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
78	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block. complete for each outlet. a) Short point up to 3Mtr from tapping point to out let via switch box	Each	9.00	209.98	1889.82			9.00	209.98	1889.82	9.00	1889.82
79	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	Each	6.00	288.72	1732.32			6.00	288.72	1732.32	6.00	1732.32
80	c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box	Each	2.00	419.96	839.92			2.00	419.96	839.92	2.00	839.92
81	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper with low conductor resistance single core cable in open or concealed system of wiring with specified IS-694:1990 & comfirming to GTP of Group-A a) 1.5 sqmm	mtr	15.00	21.52	322.80			15.00	21.52	322.80	15.00	322.80
82	b) 2.5 sqmm	mtr	15.00	33.60	504.00			15.00	33.60	504.00	15.00	504.00
83	c) 25mm dia 2mm thick	mtr	10.00	44.20	442.00			10.00	44.20	442.00	10.00	442.00
84	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure.(Page No. 47, Item No.5.18.9, 5.17.8,) Double door a) 4 way TP & N	mtr	2.00	2782.24	5564.48			2.00	2782.24	5564.48	2.00	5564.48
85	b) 12 way SP & N	mtr	2.00	1889.82	3779.64			2.00	1889.82	3779.64	2.00	3779.64
86	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 (Page No. 47, Item No. 5.17)) a) 5-32Amps SP	mtr	1.00	455.66	455.66			1.00	455.66	455.66	1.00	455.66
87	b) 5-32Amps TPN	mtr	2.00	1800.58	3601.16			2.00	1800.58	3601.16	2.00	3601.16
88	Supplying, fixing and wiring eaarth Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board.(Page No. 47, Item No. 5.20) a) 16-25Amps 2Pole	Each	1.00	2414.77	2414.77			1.00	2414.77	2414.77	1.00	2414.77
89	Fabricating supplying and mounting MS box made out ...SWG suitable for floor I wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc. complete (Page No. 49, Item No. 5.42)	Sqm Each	300.00	0.42	126.00			300.00	0.42	126.00	300.00	126.00
90	Supplying .....amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenoliciFRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. (Page No. 49, Item No. 5.40) 100Amps 4x30x6mm Aluminum Strips	mtr	2.00	2152.30	4304.60			2.00	2152.30	4304.60	2.00	4304.60
91	Supplying fixing angle iron frame work fabricated out of M.S angle iron .. And m.S flat.... With bolts, washers etc., and painted with two coats of red oxide and then two coats of approved paint. (Page No. 49, Item No.5.41) a) 40x40x6 mm	mtr	1.00	267.72	267.72			1.00	267.72	267.72	1.00	267.72
92	a) 50x100x50x6 mm	mtr	1.00	661.44	661.44			1.00	661.44	661.44	1.00	661.44
93	Supplying, fixing and wiring 0 to 600Volts 96x96mm AC Voltmeter on existing panel/wood board. (Page No. 48, Item No. 5.22)	Each	1.00	395.81	395.81			1.00	395.81	395.81	1.00	395.81
94	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound (Page No. 48, Item No. 5.34)	Each	1.00	491.35	491.35			1.00	491.35	491.35	1.00	491.35

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	Description of Work	Unit	As per Shedule -B			Previous Measurement		Present Measurement			Up to date	
95	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C (Page No. 48, Item No. 5.38)	Each	1.00	451.46	451.46			1.00	451.46	451.46	1.00	451.46
96	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm alround with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts. (Page No. 55, Item No. 6.2)	Each	2.00	4357.09	8714.18			2.00	4357.09	8714.18	2.00	8714.18
97	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. (Page No. 55, Item No. 6.3.2) GI strip 25x6mm	mtr	10.00	120.74	1207.40			10.00	120.74	1207.40	10.00	1207.40
98	Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition (Page No. 25, Item No. 12.3) LED light fighting 2x4' - 20/22 watts	Each	4.00	656.19	2624.76			4.00	656.19	2624.76	4.00	2624.76
99	Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts lamp. (Page No. 20, Item No. 4.2)	Each	8.00	192.13	1537.04			8.00	192.13	1537.04	8.00	1537.04
100	Fixing all types and all capacities fluorescent / false ceiling/spotlight/ CFLfittings indoor on the wall/ ceiling/rafters / girders using 23/0.0076" twin twisted RVC insulated wires, required nos of round blocks and clamps (if required) (Page No. 78, Item No. 14.7)	Each	8.00	115.49	923.92			8.00	115.49	923.92	8.00	923.92
	Total				932621.09			808977		810805.22		810805.22
	GST 12%				111914.53			97077		97296.63		97296.63
	Grand Total				1044535.62					908101.85		908101.85

906054

CERTIFICATE

1 Certified that the work done is satisfactorily.

2 There is no departmental issues by BBMP

Contractor

Asst. Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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